BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE

Name of work :- Additional works at govt Higher Primery School building at Abbigere in Shettyhalli Sub-Division

Est. Cost Rs. 9.99 Lakhs

Sl No	Discription	Unit	No	L	B	D	Qty	Rate	Amount
	Compound wall								
1	KSRB-2-2.2: Earthwork excavation for foundation of buildings, water supply, sanitary, lines and electrical conduits either in pits or in trenches 1.5 m and above in width, in hard soil not exceeding 1.5m. in depth including dressing the bottom and and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) 2.3.5 Page No. 5/ Item No. 2.4/ PWD SR 2009-10	cum							
	East		1	17.65	0.60	0.75	7.94		
	South		1	14.40	0.60	0.75	6.48		
	Earth Work Excavation for sanitary lines								
	north		1	18.10	0.60	0.60	6.52		
	East sump tank side		1	10.60	0.60	0.60	3.82		
	Building front upto manhole		1	18.45	0.60	0.60	6.64		
							31.40	163.24	**5125.00**
	Basic rate	154.00							
	Average weightage 6%	9.24							
	Total	163.24							
2	KSRB 4-1.3: Providing and laying in position plain cement concrete of nominal mix 1:4:8 using 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2 (Page No. 12/ Item No. 4.3)PWD SR 2009-10	cum							
	Compound wall East		1	17.65	0.60	0.15	1.59		
	South		1	14.40	0.60	0.15	1.30		
	Mainentrance Ramph		1	3.50	2.40	0.15	1.26		
	Wash area		1	4.70	6.40	0.15	4.51		
			1	1.50	1.51	0.15	0.34		
							9.00	3153.50	**28370.00**
	Basic rate	2975.00							
	Average weightage 6%	178.50							
	Total	3153.50							

3	KSRB 5.2.3 Providing and constructing granite / trap / basalt size stone masonry in foundation in cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Page No. 21/ Item No. 5.6/ PWD SR 2009-10	cum							
	East		1	17.65	0.60	0.60	6.35		
	South		1	13.80	0.60	0.60	4.97		
							11.32	2344.72	**26547.00**
	Basic rate	2212.00							
	Average weightage 6%	132.72							
	Total	2344.72							
4	KSRB 4.2.3 : Providing and laying in position reinforced cement concrete of mix 1:2:4(M15) with 20 mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.6 Page No. 13/ Item No. 4.12/ PWD SR 2009-10								
	East	cum	1	17.65	0.60	0.10	1.06		
	South		1	13.80	0.60	0.10	0.83		
	Ramph		1	3.50	2.40	0.10	0.84		
	Coping - East wall		1	17.65	0.23	0.08	0.30		
	South wall		1	13.80	0.23	0.08	0.24		
	G F Prayer hall		1	17.64	12.19	0.10	21.50		
	Staircase room		1	5.50	1.50	0.10	0.83		
	Wash Area		1	4.70	6.40	0.10	3.01		
							28.61	4243.18	**121379.00**
	Basic rate	4003.00							
	Average weightage 6%	240.18							
	Total	4243.18							
5	KSRB 6-2.2 : Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 50 (table moulded) with cement mortar 1:8 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 25/ Item No. 6.5/ PWD SR 2009-10 Specification No. KBS 6.2	Cum							
	East wall		1	17.65	0.23	1.50	6.09		
	South wall		1	14.77	0.23	1.75	5.94		
	(-)Gate		-1	2.00	0.23	1.50	-0.69		
	Ramph		1	3.50	2.40	0.46	3.86		

							15.21	3820.24	**58099.00**
	Basic rate	3604.00							
	Average weightage 6%	216.24							
	Total	3820.24							
6	KSRB 6-7.1: Construction of partition wall 11.2 cms thick with non modular ground moulded burnt bricks of class designation 35 with cement mortar 1:4 including providing and fixing plaster mesh manufactured out of hot dipped galvanized iron of normal thickness 0.35 mm 100mm. Wide as per I.S. 2212/19991 at 7.5m. C to C including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2 Page No. 26/ Item No. 6.23/ PWD SR 2009-10	Sqm							
	Partetion walls(Rooms internal)(2X3)		4	4.80	2.65		50.88		
	Outside balcony north		2	14.00	1.20		33.60		
	----do----		2	1.40	1.20		3.36		
	Parapet East		2	9.50	1.20		22.80		
	--do--		2	11.23	1.20		26.95		
	Parapet North		1	8.84	1.00		8.84		
	North		3	2.63	0.90		7.10		
	(-) Deductions		-8	0.23	1.20		-2.21		
							151.33	451.56	**68332.00**
	Basic rate	426.00							
	Average weightage 6%	25.56							
	Total	451.56							
7	KSRB 15.3.5: Providing 15mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 96/ Item No. 15.13 / PWD SR 2009-10	Sqm							
	East wall		1	17.65	3.23		57.01		
	South wall		1	14.77	3.73		55.09		
	(-)Gate		1	2.00	3.23		6.46		
	Balconey North		-2	14.00	2.50		-70.00		
	--do--		2	14.00	2.50		70.00		
	Parapet East		2	9.50	2.50		47.50		
	--do--		2	11.23	2.50		56.15		
	Parapet North		1	8.84	1.90		16.80		
	North wall		3	2.63	1.90		14.99		
	(-) Deductions		-8	0.23	1.20		-2.21		
							251.79	112.36	**28291.00**
	Basic rate	106.00							
	Average weightage 6%	6.36							
	Total	112.36							

8	KSRB 15.3.2: Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required, smooth rendering, Providing and removing scaffolding, including cost of materials, labour. Curing complete as per specifications. Page No. 96/ Item No. 15.10 / PWD SR 2009-10	Sqm							
	Partetion walls(Rooms internal)(2X6)		8	4.80	2.90		**111.36**	98.90	**11013.00**
	Basic rate	93.30							
	Average weightage 6%	5.60							
	Total	98.90							
9	KSRB 15.3.13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 97/ Item No. 15.21 / PWD SR -2009-10	Sqm							
	G F Rooms		6	5.19	4.80		149.47		
	Passage		3	5.19	2.10		32.70		
	Beams(N & S)		2	15.42	0.53		16.35		
	Section 22& 33 walls		2	15.42	0.83		25.60		
	Section AA& DD walls		2	11.70	0.53		12.40		
	Section E& W		2	11.70	0.83		19.42		
	Staircase celing		3	4.05	1.00		12.15		
	Landing		3	2.45	1.50		11.03		
	Roof celing		3	4.00	1.00		12.00		
	Beams		3	2.50	0.83		6.23		
	FF & SF								
	Rooms(2X6)		12	5.19	4.80		298.94		
	Passage beams &internal		3	2.10	0.83		5.23		
	Chejjas (6X2)		12	2.00	1.27		30.48		
	Internal (2X2)		4	3.50	0.97		13.58		
	Balcony celing		1	1.30	11.30		14.69		
							660.26	117.66	**77686.00**
	Basic rate	111.00							
	Average weightage 6%	6.66							
	Total	117.66							

10	KSRB 4.2.8: Providing and laying in position reinforced cement concrete of mix 1:1, 5:3 with 20 mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for R.C.C. beams, columns of all sizes in foundation plinth and superstructure ground floor level for column, including cost of all materials, labour, HOM of machinery, curing, complete as per specification. Specification NO. KBS 4.1, 4.6 Page No. 13/ Item No. 4.17/ PWD SR 2009-10	cum							
	G F to mid landing		1	4.50	1.00	0.05	0.23		
	mid landing		1	1.95	1.22	0.05	0.12		
	mid landing to G F roof		1	4.00	1.00	0.05	0.20		
	G F roof toF F mid landing		1	4.35	1.00	0.05	0.22		
	Laniding		1	1.95	1.22	0.05	0.12		
	F F mid landing to FF Roof		1	4.20	1.00	0.05	0.21		
	FF Roof to Terrace mid landing		1	4.55	1.00	0.05	0.23		
	Laniding		1	1.95	1.22	0.05	0.12		
	Terrace mid landing to Terrace		1	4.00	1.00	0.05	0.20		
	Passage Rooms Front East								
	F F & S F		2	11.00	1.40	0.05	1.54		
			2	1.95	1.30	0.05	0.25		
	Passage North		2	12.70	1.40	0.05	1.78		
	Inbetween Rooms passages		2	16.20	2.05	0.05	3.32		
							8.53	4673.54	**39862.00**
	Basic rate	4,409.00							
	Average weightage 6%	264.54							
	Total	4673.54							
11	Chipping and cleaning, construction joint and slab joint, treatment, grouting of honey comb by cement with inorganic accelerator for cement, spray of biological modified Ortho esters and alkaline earth, providing and laying of patch concrete 1:2:4 for required thickness by clean granite trap jelly 20mm and down size mixed with poly carboxylic sulphonated neutral cellulose @ 100ml/bag and aqueous acrylic silicone emulsion @ 125ml/bag, Providing Plaster for a thickness of 20mm mixed with polycarboxylic Sulphonated neutral cellulose @ 100ml/bag and aqueous acrylic silicone emulsion @ 125ml/bag, slurry of cement and silica sand should be mixed with Cross linked Acrylic/Styrene/butadiene based, polymer, spraying of silane and silanol linear copolymer as water proof agent, applying of modified polymers slurry of soft acrylic esters for extra protection for taking, and filling the bore wherever Necessary with concrete, brushing one coat of acrylic copolymer cross linked formulation on the bore. for Roof Page No. 57/ Item No. 10.6.1/ PWD SR 2009-10								
	Terrace	Sqm	1	12.30	5.30		65.19		
			1	12.30	14.00		172.20		
							237.39	736.70	**174885.00**
	Basic rate	695.00							
	Average weightage 6%	41.70							

	Total	736.70							
12	KSRB 15-16 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. with primer Page No. 101/ Item No. 15.53.2 / PWD SR 2009-10	Sqm							
	East & West L W		2	16.35	12.35		403.85		
	G F (Internal)		2	15.88	1.50		47.64		
	Staircase room east		1	5.50	14.30		78.65		
	N & S walls		3	1.40	2.25		9.45		
	Toilets Front walls		2	12.60	12.35		311.22		
	Staircase room south (3X3)		9	0.45	2.25		9.11		
	Head room west		1	2.50	14.30		35.75		
	North		1	5.30	2.90		15.37		
	G F (Internal) E & W		1	2.50	2.90		7.25		
	Columns		2	12.40	1.50		37.20		
			4	1.35	2.85		15.39		
			4	0.70	2.85		7.98		
	East		1	17.65	3.23		57.01		
	South		1	14.77	3.73		55.09		
	(-)Gate		1	2.00	3.23		6.46		
	Balconey North		-2	14.00	2.50		-70.00		
	--do--		2	14.00	2.50		70.00		
	Parapet East		1	9.50	2.10		19.95		
	--do--		1	11.23	2.10		23.58		
	Parapet North		1	8.84	2.10		18.56		
	toilets West		3	1.40	1.90		7.98		
	North		3	2.63	1.90		14.99		
	(-) Deductions		-8	0.23	1.20		-2.21		
	Staircase handrail								
	G F to mid landing		1	4.50	1.00		4.50		
	mid landing to G F roof		1	4.00	1.00		4.00		
	G F roof toF F mid landing		1	4.35	1.00		4.35		
	F F mid landing to FF Roof		1	4.20	1.00		4.20		
	FF Roof to Terrace mid landing		1	4.65	1.00		4.65		
	Terrace mid landing to Terrace		1	4.00	1.00		4.00		
	Doors		-12	1.10	2.10		-27.72		
	Doors		-1	0.90	2.10		-1.89		
	Windows		-36	1.50	1.20		-64.80		
	GF opening		-6	5.30	1.25		-39.75		
	East & West		-4	5.00	1.25		-25.00		
	North & south		-2	2.10	1.25		-5.25		
	Head room								
	East opening		-2	1.20	1.20		-2.88		
	south opening		-3	2.00	1.80		-10.80		
	North opening		-2	2.10	2.70		-11.34		
	south opening		-2	2.10	1.40		-5.88		
							1010.67	53.00	**53565.00**
	Basic rate	50.00							

	Average weightage 6%	3.00							
	Total	53.00							
13	KSRB 15.14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. Page No. 100/ Item No. 51.49.1 / PWD SR 2009-10	Sqm							
	Partetion walls(Rooms internal)(2X6)		12	4.80	2.90		167.04		
	G F Rooms		6	5.19	4.80		149.47		
	Passage		3	5.19	2.10		32.70		
	Beams(N & S)		2	15.42	0.53		16.35		
	Section 22& 33		2	15.42	0.83		25.60		
	Section AA& DD		2	11.70	0.53		12.40		
	Section E& W		2	11.70	0.83		19.42		
	Staircase celing		3	4.05	1.00		12.15		
	Landing		3	2.45	1.50		11.03		
	Roof celing		3	4.00	1.00		12.00		
	Beams		3	2.50	0.83		6.23		
	FF & SF								
	Rooms (2X6)		12	5.19	4.80		298.94		
	Passage beams &internal		3	2.10	0.83		5.23		
	Chejjas(6X2)		12	2.00	1.27		30.48		
	Internal (2X2)		4	3.50	0.97		13.58		
	Balcony celing		1	1.30	11.30		14.69		
	FF room walls(12X2)		24	5.30	2.90		368.88		
	(6X2)		12	4.80	2.90		167.04		
	passage walls (2X2)		4	16.60	2.90		192.56		
			2	2.10	1.50		6.30		
	Staircase room East		1	5.30	11.40		60.42		
	Above landing south		1	2.00	11.40		22.80		
	West		1	3.00	2.60		7.80		
	Head room west		1	5.30	2.10		11.13		
	North		2	2.00	2.10		8.40		
	(-) Deductions								
	Doors		-12	1.10	2.10		-27.72		
	Doors		-1	0.90	2.10		-1.89		
	Windows		-36	1.50	1.20		-64.80		
	Staircase openings		-2	1.20	1.20		-2.88		
	South openings		-2	2.10	1.25		-5.25		
							1570.09	47.17	**74061.00**
	Basic rate	44.50							
	Average weightage 6%	2.67							
	Total	47.17							

14	KSRB 15-17.6: Providing and Applying painting two coats (Excluding priming coat) on new wood surface and / or wood based surface, with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. Page No. 102/ Item No. 15.60.1 / PWD SR 2009-10	Sqm							
	Door D1		12	2.25		2.10	56.70		
	D2		6	2.25		1.80	24.30		
	W		36	2.25		1.50	121.50		
	Head Room D		1	2.25		2.10	4.73		
							207.23	81.51	**16892.00**
	Basic rate	76.90							
	Average weightage 6%	4.61							
	Total	81.51							
15	KSRB 13-9.3: Providing and fixing to wall, ceiling and floor, high-density polyethylene pipes 6.00KGF/sq.cm. Working pressure 50mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling a floor including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No. 13.2.15.1 / 13.9. 110mm. Page No. 82/ Item No. 13.73.4 / PWD SR 2009-10	m							
	4" Thick P V C pipes 6 legs								
	for sanitary lines								
	North			18.10			18.10		
	East sump tank side			10.60			10.60		
	Building front upto manhole			18.45			18.45		
	4"thick P V C Rain water drain pipes								
	West		4	9.90			39.60		
	North		2	9.90			19.80		
	Toilets		4	1.50			6.00		
							112.55	612.68	**68957.00**
	Basic rate	578.00							
	Average weightage 6%	34.68							
	Total	612.68							

16	KSRB 12-8.1 : Constructing brick masonry inspection chamber 455x610mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I. cover with frame (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38kg (weight of cover 23kg and weight of frame 15kg) R.C.C. top slab with cement concrete 1:2:4 mix 20mm and downsize granite metal, foundation concrete 1:5:10 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. 450x450mm, and 450 depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5 C.I cover with frame (light duty) 450x450mm Page No. 63/ Item No. 11.50.2 PWD SR 2009-10								
		nos	3				2.00	3591.28	**7183.00**
	Basic rateBasic rate	3388.00							
	Average weightage 6%	203.28							
	Total	3591.28							
17	KSRB 13.11.1: Providing and placing on terrace. Polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 litre capacity) Specification NO. KBS 13.22 Page No. 82/ Item No. 13.78 / PWD SR 2009-10	nos							
			1				1.00	6410.88	**6411.00**
	Basic rate	6,048.00							
	Average weightage 6%	362.88							
	Total	6410.88							
18	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fitting including fixing the pipe clamp at 10.00 meter spacing. This includes jointing of pipe and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 25mm nominal OD pip es Page No. 84/ Item No. 13.85.3 / PWD SR 2009-10	m							
	Terrace		1	5.65			5.65		
	Down pipes								
	vertical		1	7.9			7.90		
	Horizantal		4	1.5			6.00		
	Air Went pipes		2	1.20			2.40		
	Basic rate	140.00					**21.95**	148.40	**3257.00**

	Average weightage 6%	8.40							
	Total	148.40							
19	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fitting including fixing the pipe clamp at 10.00 meter spacing. This includes jointing of pipe and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 32mm nominal OD pip es Page No. 84/ Item No. 13.85.4 / PWD SR 2009-10	m							
	Horizantal			16.5			16.50		
	vertical			10.9			10.90		
							27.40	201.40	**5518.00**
	Basic rate	190							
	Average weightage 6%	11.40							
	Total	201.40							
20	KSRB 4-5: Providing lath plaster with cement mortar 1:3 5cms thick with 6mm dia mild steel bars at 20 cms c to c both horizontally and vertically fixing chicken mesh for drop chajja, facia, backing to cup boards including cost of all materials, labour, providing and removing form work HOM of machineries, curing, complete as per specifications. Page No. 14/ Item No. 4.27/ PWD SR 2009-10								
	Staircase	Sqm							
	G F to mid landing		1	4.50	1.00		4.50		
	mid landing to G F roof		1	4.00	1.00		4.00		
	G F roof toF F mid landing		1	4.35	1.00		4.35		
	F F mid landing to FF Roof		1	4.20	1.00		4.20		
	FF Roof to Terrace mid landing		1	4.65	1.00		4.65		
	Terrace mid landing to Terrace		1	4.00	1.00		4.00		
							25.70	711.26	**18279.00**
	Basic rate	671.00							
	Average weightage 6%	40.26							
	Total	711.26							
21	KSRB 8.3-2 Providing and laying to required line and slope roofing with semi-corrugated (Trafford) asbestos cement sheet 6mm. thick fixed with galvanised iron J or L hooks, blots and nits 8mm dia C.I. plain and bitumen washers, over the existing purlins, rafters and trusses including cost of materials, labour, complete as per specifications Page No. 40/ Item No. 8.6/ PWD SR 2009-10								
			1	6.10	1.96		**11.96**	336.02	**4017.00**
	Basic rate	317.00							
	Average weightage 6%	19.02							
	Total	336.02							

								sub total	899638.00
22	Add 11% of KRIDL charges (including 1% labour cess)								98960.00
									998598.00
23	Miscellaneous and unforseen charges								402.00
									999000.00
Rs. Nine Lakhs Ninety Nine Thousand Only									

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2009-10
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Ward No-12

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ನಂ. EE/DD/AS/46/ದಿನಾಂಕ: 6/8/2010
ರೂ. 9.99 Lakhs (Rupees Nine Lakhs Ninety Nine Thousand only) ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಅಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
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